

# **UTILITY** PATENT APPLICATION **TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. 0100.0000730 Total Pages 48 First Inventor or Application Identifier Stefan Eckart Title METHOD AND APPARATUS FOR MULTIPLEXING DATA

Express Mail Label No. EL559561110US

APPLICATION ELEMENTS	ADDRESS TO: Assistant Comn	nissioner for Patents	
See MPEP chapter 600 concerning utility patent application	Box Patent Application		
contents.	Washington, DC 20231		
1. X Fee Transmittal Form	5. Microfiche Computer	- ()	
(Submit an original, and a duplicate for fee processing)	<ol><li>Nucleotide and/or An</li></ol>		
2. Specification Total Pages 30	Submission (if applicable, all necessary)		
(preferred arrangement set forth below)	a. Computer Readable Copy		
- Descriptive title of the Invention	b. Paper Copy (identi	ical to computer copy)	
<ul> <li>Cross References to Related Applications</li> <li>Statement Regarding Fed sponsored R &amp; D</li> </ul>		g identity of above copies	
- Reference to Microfiche Appendix	~ · · · · · · · · · · · · · · · · · · ·	5	
- Background of the Invention	ACCOMPANYING A	APPLICATION PARTS	
- Brief Summary of the Invention			
- Brief Description of the Drawings (if filed)	7. Assignment Papers (cover sheet & document(s))		
- Detailed Description	8. 37 CFR 3.73(b) State		
- Claim(s)	(when there is an assign		
- Abstract of the Disclosure	9. English Translation I		
3. Drawings (35 USC 113) Total Sheets 13	10. Information Disclosu		
4. Oath or Declaration Total Pages 2	Statement (IDS)/PTO-1		
a. Newly executed (original or copy)	11. Preliminary Amendn		
b. Copy from a prior application	12. Return Receipt Postc		
(37 CFR 1.63(d))	(Should be specifica	lly itemized)	
(for continuation/divisional with Box 17 completed)		Statement filed in Prior	
[Note Box 5 below]	Statement(s)	Application, Status still proper	
i. DELETION OF INVENTOR(S)		and desired.	
Signed statement attached deleting inventor(s) named in the prior application,	14. Certified Copy of Pri	•	
see 37 CFR 1.63(d)(2) and 1.33(b).	(if foreign priority is	s claimed)	
300 37 OI R 1.03(4)(2) and 1.33(0).	15. Other		
16. If a CONTINUING APPLICATION, check appro	priate box and supply the requisite infor	mation:	
Continuation Divisional Continuation-in-			
Prior Application Information: Examiner	Group / Art Unit:		
	<i>Group</i> :		
17. CORRESPON	NDENCE ADDRESS		
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N/1-2 0	- D		
	Reckamp, P.C.		
115 Wild Basir	n Road, Suite 107		
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Name and Registration Ross D. Snyde	er, Reg. No. 37,730		
	EI, Reg. 140. 57,750		
Number (Print/Type)			
Simulation of the state of the	Date	04-14-2000	
Signature Ross D. Smyl	C Date	04-14-2000	



# FEE TRANSMITTAL

Note: Effective October 1, 1997.
Patent fees are subject to annual revision.

# TOTAL AMOUNT OF PAYMENT (\$) 1,528.00



Complete if Known

Application Number	
Filing Date	4-14-2000
First Named Inventor	Stefan Eckart
Group Art Unit	
Examiner Name	
Attorney Docket Number	0100.0000730

#### METHOD OF PAYMENT (check one)

The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:

Deposit Account Number		50-0441			
Deposit Account Name	ATI Technologies, Inc.				
Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17					
Charge the Issue Fee Set in 37 CFR 1.18 at the mailing of the Notice of Allowance					
2. ☐ Payment Enclosed: ☐ Check ☐ Money Order ☐ Other					

### FEE CALCULATION

#### 1. FILING FEE

Entity Fee		Small Fee Code	Fee (\$)	Fee Descriptio n	Fee Paid
101	690	201	345	Utility filing fee	690.00
106	310	206	155	Design filing fee	
107	480	207	240	Plant filing fee	
108	760	208	380	Reissue filing fee	
114	150	214	75	Provisional filing fee	

SUBTOTAL (1) (\$) 690.00

#### 2. CLAIMS

Claims	Extra	Fee from below	Fee Paid
Total 60	(·20 =) <b>40</b>	18.00	720.00
Indep.	(· 3 =)	78.00	78.00
Multiple Dep.			

Large Entity	Entity	Smal	ı	Fee Description
Fee Fee	Fee	Fee		
Code (\$)	(\$)	Cod	e	
103	18	203	9	Claims in excess of 20
102	78	202	39	Independent claims in excess of 3
104	260	204	130	Multiple dependent claim
109	78	209	39	Reissue independent daims over original patent
110	18	210	9	Reissue claims in excess of 20 and over original patent

## FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity   Fee   F	3. AD					
Code (\$) Code (\$)   Code (\$)		-			Fee Description	Fee Paid
105   130   205   65   Surcharge - late filling fee or oath   127   50   227   25   Surcharge - late provisional filling fee or cover sheet.   139   130   139   130   Non-English specification   147   2,520   147   2,520   For filling a request for reexamination   112   920*   112   920*   Requesting publication of SIR prior to Examiner action   131   1,840* 113   1,840* 113   1,840* 113   1,840* 113   1,840* 113   1,840* 113   1,840* 113   1,840* 113   1,840* 114   1,245   SExtension for reply within first month   116   380   216   190   Extension for reply within second month   117   870   217   435   Extension for reply within third month   118   1,360   218   680   Extension for reply within first month   128   1,850   228   925   Extension for reply within first month   128   1,850   228   925   Extension for reply within fifth month   120   300   220   150   Filing a brief in support of an appeal   121   260   221   130   Request for oral hearing   138   1,510   138   1,510   Petition to institute a public use proceeding   140   110   240   55   Petition to revive - unavoidable   141   1,210   241   605   Petition to revive - unintentional   142   1,210   242   605   Utility issue fee (or reissue)   143   430   243   215   Design issue fee   122   130   122   130   Petitions related to provisional applications   126   240   240   Submission of Information   148   760   248   380   Filing a submission after final rejection (37 CFR 1.129(b))   Other fee   144   7,000   145   1,000   1,					-	
127   50   227   25   Surcharge - late provisional filing fee or cover sheet.						
139   130   139   130   130   Non-English specification     147   2,520   147   2,520   For filing a request for reexamination     112   920*   112   920*   Requesting publication of SIR prior to Examiner action     113   1,840* 113   1,840*   Requesting publication of SIR prior to Examiner action     115   110   215   55   Extension for reply within first month     116   380   216   190   Extension for reply within second month     117   870   217   435   Extension for reply within second month     118   1,360   218   680   Extension for reply within fourth month     128   1,850   228   925   Extension for reply within fifth month     119   300   219   150   Notice of Appeal     120   300   220   150   Filing a brief in support of an appeal     121   280   221   130   Request for oral hearing     138   1,510   138   1,510   Petition to institute a public use proceeding     140   110   240   55   Petition to revive - uniavoidable     141   1,210   241   605   Petition to revive - unintentional     142   1,210   242   605   Utility issue fee (or reissue)     143   430   243   215   Design issue fee     122   130   122   130   Petitions to the Commissioner     128   240   126   240   Submission of Information     129   760   249   380   Filing a submission after final rejection (37 CFR 1.129(b))     Other fee   Other		130				
139   130   139   130   Non-English specification     147   2,520   147   2,520   For filing a request for reexamination     112   920*   112   920*   Requesting publication of SIR prior to Examiner action     113   1,840* 113   1,840*   Requesting publication of SIR after Examiner action     115   110   215   55   Extension for reply within first month     116   380   216   190   Extension for reply within second month     117   870   217   435   Extension for reply within second month     118   1,360   218   680   Extension for reply within fourth month     128   1,850   228   925   Extension for reply within fifth month     119   300   219   150   Notice of Appeal     120   300   220   150   Filing a brief in support of an appeal     121   280   221   130   Request for oral hearing     138   1,510   138   1,510   Petition to institute a public use proceeding     140   110   240   55   Petition to revive - unavoidable     141   1,210   241   605   Petition to revive - unintentional     142   1,210   242   605   Utility issue fee (or reissue)     143   430   243   215   Design issue fee     144   580   244   290   Plant issue fee     122   130   122   130   Petitions to the Commissioner     126   240   126   240   Submission of Information     127   248   380   Filing a submission after final rejection (37 CFR 1.129(a))     149   760   249   380   Filing a submission after final rejection (37 CFR 1.129(b))     Other fee   Other fee	127	50	227	25		
147	100-	400	400	400		
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112   920* 112   920*   Requesting publication of SIR prior to Examiner action	147	2,520	147	2,520		
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Examiner action	113	1,8401	113	1,840*		
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128	118	1,360	218	680	Extension for reply within fourth	
month   119   300   219   150   Notice of Appeal       120   300   220   150   Filing a brief in support of an appeal     121   260   221   130   Request for oral hearing     138   1,510   138   1,510   Petition to institute a public use proceeding     140   110   240   55   Petition to revive - unavoidable     141   1,210   241   605   Petition to revive - unintentional     142   1,210   242   605   Utility issue fee (or reissue)     143   430   243   215   Design issue fee       144   580   244   290   Plant issue fee       122   130   122   130   Petitions to the Commissioner     123   50   123   50   Petitions related to provisional applications     126   240   126   240   Submission of Information Disclosure Stmt     146   760   246   380   Filing a submission after final rejection (37 CFR 1.129(a))     149   760   249   380   For each additional invention to be examined (37 CFR 1.129(b))   Other fee   (specify)						
119   300   219   150	128	1,850	228	925	• •	
120   300   220   150   Filing a brief in support of an appeal     121   260   221   130   Request for oral hearing     138   1,510   138   1,510   Petition to institute a public use proceeding     140   110   240   55   Petition to revive - unavoidable     141   1,210   241   605   Petition to revive - unintentional     142   1,210   242   605   Utility issue fee (or reissue)     143   430   243   215   Design issue fee     144   580   244   290   Plant issue fee     122   130   122   130   Petitions to the Commissioner     123   50   123   50   Petitions related to provisional applications     126   240   126   240   Submission of Information Disclosure Stmt     581   40   581   40   Recording each patent assignment per property (times number of properties)     146   760   246   380   Filing a submission after final rejection (37 CFR 1.129(a))     149   760   249   380   For each additional invention to be examined (37 CFR 1.129(b))     Other fee (specify)   Other fee	110	200	210	150		
appeal     121   280   221   130     Request for oral hearing     138   1,510   138   1,510     Petition to institute a public use proceeding   140   110   240   55   Petition to revive - unavoidable     141   1,210   241   605   Petition to revive - unintentional     142   1,210   242   605   Utility issue fee (or reissue)     143   430   243   215   Design issue fee     144   580   244   290   Plant issue fee     122   130   122   130   Petitions to the Commissioner     123   50   123   50   Petitions related to provisional applications     126   240   Submission of Information Disclosure Stmt     Recording each patent assignment per property (times number of properties)     146   760   246   380   Filing a submission after final rejection (37 CFR 1.129(a))     149   760   249   380   For each additional invention to be examined (37 CFR 1.129(b))     Other fee					, ,	
121         280         221         130         Request for oral hearing           138         1,510         138         1,510         Petition to institute a public use proceeding           140         110         240         55         Petition to revive - unavoidable           141         1,210         241         605         Petition to revive - unintentional           142         1,210         242         605         Utility issue fee (or reissue)           143         430         243         215         Design issue fee           124         580         244         290         Plant issue fee           122         130         122         130         Petitions related to provisional applications           123         50         123         50         Petitions related to provisional applications           126         240         126         240         Submission of Information Disclosure Stmt           581         40         581         40         Recording each patent assignment per property (times number of properties)           146         760         246         380         Filing a submission after final rejection (37 CFR 1.129(a))           149         760         249         380         For each additional inve	120	300	220	150		
138         1,510         138         1,510         Petition to institute a public use proceeding           140         110         240         55         Petition to revive - unavoidable           141         1,210         241         605         Petition to revive - unintentional           142         1,210         242         605         Utility issue fee (or reissue)           143         430         243         215         Design issue fee           144         580         244         290         Plant issue fee           122         130         122         130         Petitions related to provisional applications           123         50         123         50         Petitions related to provisional applications           126         240         Submission of Information Disclosure Stmt           581         40         581         40         Recording each patent assignment per property (times number of properties)           146         760         246         380         Filing a submission after final rejection (37 CFR 1.129(a))           149         760         249         380         For each additional invention to be examined (37 CFR 1.129(b))   Other fee (specify)	121	200	224	120		
140   110   240   55   Petition to revive - unavoidable     141   1,210   241   605   Petition to revive - unintentional     142   1,210   242   605   Utility issue fee (or reissue)     143   430   243   215   Design issue fee     144   580   244   290   Plant issue fee     122   130   122   130   Petitions to the Commissioner     123   50   123   50   Petitions related to provisional applications     126   240   126   240   Submission of Information Disclosure Stmt     581   40   581   40   Recording each patent assignment per property (times number of properties)     146   760   246   380   Filing a submission after final rejection (37 CFR 1.129(a))     149   760   249   380   For each additional invention to be examined (37 CFR 1.129(b))     Other fee (specify)   Other fee						
140         110         240         55         Petition to revive - unavoidable           141         1,210         241         605         Petition to revive - unintentional           142         1,210         242         605         Utility issue fee (or reissue)           143         430         243         215         Design issue fee           144         580         244         290         Plant issue fee           122         130         122         130         Petitions to the Commissioner           123         50         123         50         Petitions related to provisional applications           126         240         126         240         Submission of Information Disclosure Stmt           581         40         Recording each patent assignment per property (times number of properties)         40.00           146         760         248         380         Filing a submission after final rejection (37 CFR 1.129(a))           149         760         249         380         For each additional invention to be examined (37 CFR 1.129(b))           Other fee (specify)         Other fee	138	1,510	138	1,510		
141         1,210         241         605         Petition to revive - unintentional           142         1,210         242         605         Utility issue fee (or reissue)           143         430         243         215         Design issue fee           144         580         244         290         Plant issue fee           122         130         122         130         Petitions to the Commissioner           123         50         123         50         Petitions related to provisional applications           126         240         126         240         Submission of Information Disclosure Stmt           581         40         581         40         Recording each patent assignment per property (times number of properties)           146         760         246         380         Filing a submission after final rejection (37 CFR 1.129(a))           149         760         249         380         For each additional invention to be examined (37 CFR 1.129(b))           Other fee (specify)         Other fee	140	110	240	E E	Potition to review upoveidable	
142         1,210         242         605         Utility issue fee (or reissue)           143         430         243         215         Design issue fee           144         580         244         290         Plant issue fee           122         130         122         130         Petitions to the Commissioner           123         50         123         50         Petitions related to provisional applications           126         240         126         240         Submission of Information Disclosure Stmt           581         40         Recording each patent assignment per property (times number of properties)         40.00           146         760         246         380         Filing a submission after final rejection (37 CFR 1.129(a))           149         760         249         380         For each additional invention to be examined (37 CFR 1.129(b))           Other fee (specify)         Other fee						
143         430         243         215         Design issue fee           144         580         244         290         Plant issue fee           122         130         122         130         Petitions to the Commissioner           123         50         123         50         Petitions related to provisional applications           126         240         126         240         Submission of Information Disclosure Stmt           581         40         Recording each patent assignment per property (times number of properties)         40.00           146         760         246         380         Filing a submission after final rejection (37 CFR 1.129(a))           149         760         249         380         For each additional invention to be examined (37 CFR 1.129(b))           Other fee (specify)         Other fee           Other fee         (specify)	141	1,210	241	605	Petition to revive - unintentional	:
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122   130   122   130   Petitions to the Commissioner     123   50   123   50   Petitions related to provisional applications     126   240   126   240   Submission of Information     126   240   126   240   Disclosure Stmt     581   40   581   40   Recording each patent assignment per property (times number of properties)     146   760   246   380   Filing a submission after final rejection (37 CFR 1.129(a))     149   760   249   380   For each additional invention to be examined (37 CFR 1.129(b))     Other fee (specify)	143	430	243	215	Design issue fee	
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123   50   123   50   Petitions related to provisional applications     126   240   126   240   Submission of Information Disclosure Stmt     581   40   581   40   Recording each patent assignment per property (times number of properties)     146   760   246   380   Filing a submission after final rejection (37 CFR 1.129(a))     149   760   249   380   For each additional invention to be examined (37 CFR 1.129(b))     Other fee (specify)   Other fee	122	120	122	120	Potitions to the Commissioner	
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126    240    126    240    Submission of Information	123	50	123	50		
Disclosure Stmt	126	240	126	240		
Recording each patent assignment per property (times number of properties)   146 760 246 380   Filing a submission after final rejection (37 CFR 1.129(a))   149 760 249 380   For each additional invention to be examined (37 CFR 1.129(b))	120	240	120	240		
per property (times number of properties)  146 760 246 380 Filing a submission after final rejection (37 CFR 1.129(a))  149 760 249 380 For each additional invention to be examined (37 CFR 1.129(b))  Other fee (specify)  Other fee	581	40	581	40	Recording each patent assignment	<b>40 00</b>
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149 760 249 380 For each additional invention to be examined (37 CFR 1.129(b))  Other fee (specify)  Other fee	146	760	246	380		
examined (37 CFR 1.129(b))  Other fee (specify)  Other fee	149	760	240	380		
Other fee (specify) Other fee	173	, 00	270	550		
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10.00	(spec	ify)				10.55

Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$) 40.00

SUBTOTAL (2) (\$) 798.00

SUBMITTED BY MAR	KISON & RECKAMP, P.C.	Complete (if applicable)	
Typed or Printed Name	Ross D. Snyder, Reg. No. 37,730	<del></del>	
Signature	J. Smyler Date	4-14-2000	Deposit Account User ID
			<del></del>

# PATENT APPLICATION DOCKET NO. 0100.0000730

#### In the United States Patent and Trademark Office

### FILING OF A UNITED STATES PATENT APPLICATION

### Title:

## METHOD AND APPARATUS FOR MULTIPLEXING DATA STREAMS

#### **Inventors:**

Stefan Eckart	Fabio Ingrao				

Attorney of Record Ross D. Snyder, Reg. No. 37,730 115 Wild Basin Road, Suite 107 Austin, Texas 78746 Phone (512) 347-9223 Fax (512) 347-9224

Express Mail Label No. EL559561110US

Date of Deposit: 4-14-2000
I hereby certify that this paper is being deposited with the U.S. Postal Service "Express Mail Post Office to Addresses" service under 37 C.F.R. Section 1.10 on the 'Date of Deposit', indicated above, and is addressed to the Commissioner of Patents and Trademarks, Washington, D.C. 20231.

Name of Depositor: Terri Alloway

(print or type)

Signature: Levi alloway